

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P296938

Luminaire Tested: **D3X-WD-50L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296938
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-50L92765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4138.0 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

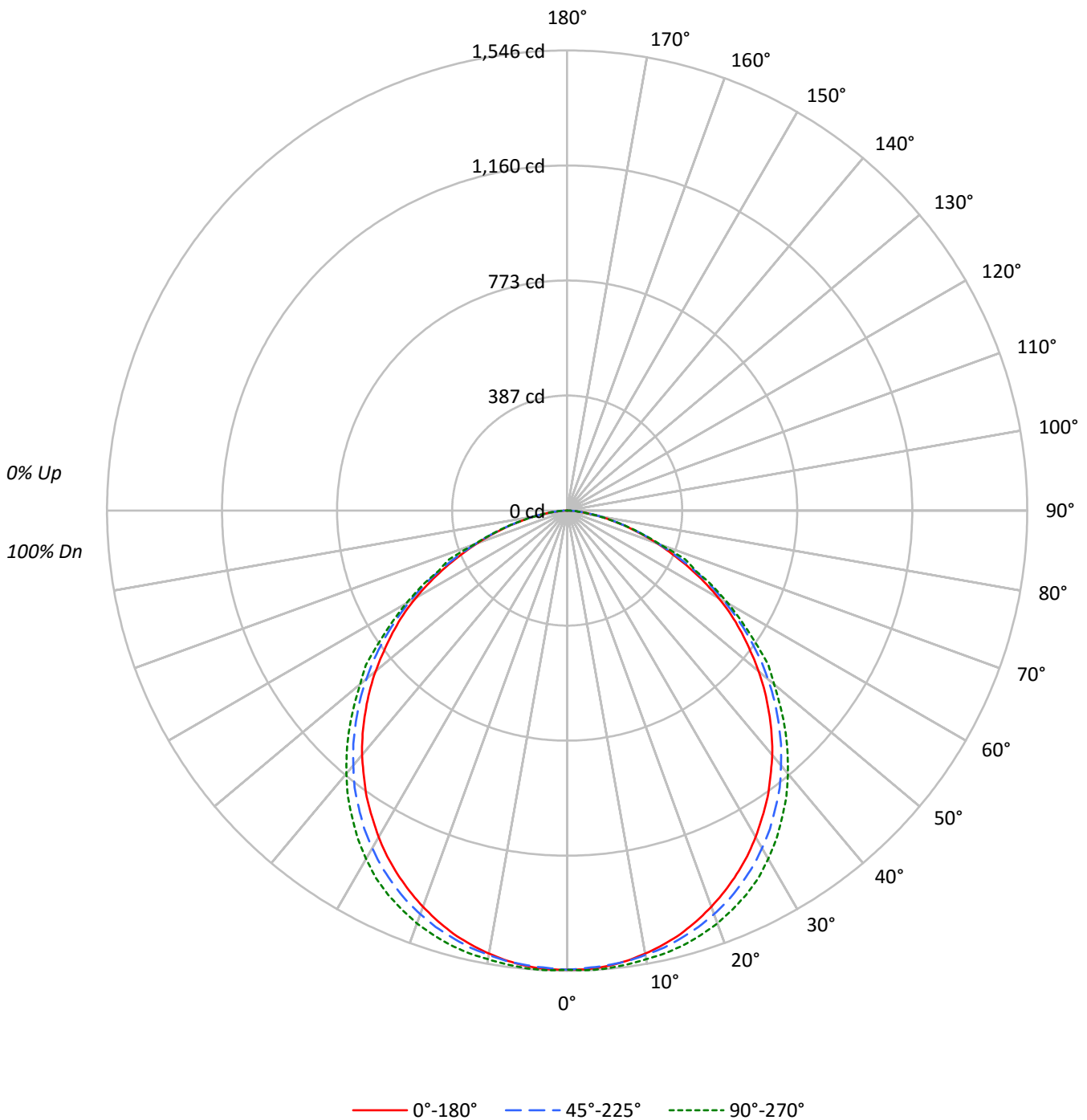
Input Watts (W): 35.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	27		37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2076	2076	2076
5°	2076	2071	2086
10°	2065	2071	2091
15°	2052	2070	2105
20°	2028	2066	2113
25°	2001	2054	2114
30°	1968	2034	2099
35°	1929	2005	2068
40°	1883	1964	2026
45°	1825	1910	1969
50°	1759	1843	1899
55°	1679	1755	1808
60°	1582	1642	1682
65°	1437	1484	1513
70°	1262	1291	1308
75°	1065	1081	1088
80°	852	863	840
85°	573	596	573



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.2	3.5
10°-20°	420.4	10.2
20°-30°	637.9	15.4
30°-40°	761.5	18.4
40°-50°	771.0	18.6
50°-60°	666.4	16.1
60°-70°	461.9	11.2
70°-80°	223.5	5.4
80°-90°	49.1	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1204.5	29.1
0°-40°	1966.0	47.5
0°-60°	3403.5	82.2
0°-90°	4138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4138.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1543	1543	1543	1543	1543	
5°	1537	1535	1534	1541	1544	146
15°	1473	1476	1486	1504	1511	415
25°	1348	1357	1384	1412	1424	621
35°	1174	1185	1220	1252	1259	734
45°	959	972	1004	1029	1035	740
55°	716	723	748	780	771	640
65°	451	456	466	474	475	447
75°	205	206	208	206	209	220
85°	37	40	39	37	37	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1542.6	1542.6	1542.6	1542.6	1542.6
2.5°	1542.6	1541.1	1538.2	1542.6	1545.6
5°	1536.7	1535.2	1533.7	1541.1	1544.1
7.5°	1526.3	1526.3	1527.8	1535.2	1538.2
10°	1511.4	1512.9	1515.9	1527.8	1530.7
12.5°	1493.6	1496.6	1504.0	1517.4	1523.3
15°	1472.8	1475.8	1486.2	1504.0	1511.4
17.5°	1446.1	1452.0	1466.9	1487.7	1495.1
20°	1416.4	1423.8	1443.1	1466.9	1475.8
22.5°	1383.8	1391.2	1416.4	1441.7	1450.6
25°	1348.1	1357.0	1383.8	1412.0	1423.8
27.5°	1309.5	1319.9	1349.6	1379.3	1391.2
30°	1266.5	1278.3	1309.5	1340.7	1351.1
32.5°	1220.4	1232.3	1267.9	1297.6	1308.0
35°	1174.4	1184.8	1220.4	1251.6	1259.0
37.5°	1122.4	1134.3	1172.9	1199.6	1210.0
40°	1072.0	1083.8	1118.0	1144.7	1153.6
42.5°	1017.0	1028.9	1063.1	1088.3	1095.7
45°	959.1	972.5	1003.7	1028.9	1034.8
47.5°	901.2	911.6	944.3	966.5	971.0
50°	840.3	850.7	880.4	902.7	907.2
52.5°	776.5	792.8	816.6	832.9	852.2
55°	715.6	723.1	748.3	779.5	770.6
57.5°	654.8	659.2	680.0	693.4	696.3
60°	587.9	593.9	610.2	617.6	625.1
62.5°	518.2	522.6	541.9	549.3	552.3
65°	451.4	455.8	466.2	473.6	475.1
67.5°	383.1	387.5	396.4	402.4	429.1
70°	320.7	323.7	328.1	340.0	332.6
72.5°	261.3	262.8	267.2	267.2	268.7
75°	204.9	206.4	207.9	206.4	209.3
77.5°	152.9	155.9	157.4	155.9	154.4
80°	109.9	112.8	111.4	108.4	108.4
82.5°	71.3	72.8	71.3	69.8	69.8
85°	37.1	40.1	38.6	37.1	37.1
87.5°	13.4	14.8	16.3	17.8	17.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)